

#### TECHNOLOGY OVERVIEW

David Sullivan
Chief Information Officer

Norfolk City Council
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#### Technology Program Overview

Patron Facing Technology

Digital Content, Audiovisual and Public Computing



Communication and Information Technologies



Security and Building Systems



### Patron Facing Technology

- 8 Public computing labs with 130 total computers
- Digital Media lab with 3D printer and wide format printers
- Computer training room
- Public WiFi with 30 access points supporting hundreds of concurrent high-speed connections
- Touch driven digital displays for Online Public Access Catalogs
- "Media Wall", a large display configuration in the forum
- Floor-standing interactive touch tables
- Interactive displays in the Seaboard cortile area providing access to the Sargeant Memorial Collection's digital archives





### Patron Facing Technology

- Gaming Room with Xbox, PS4 and Wii consoles
- Video Production Room with a "green screen" and a teleprompter
- Group Study Rooms with collaboration tables, flat panel displays and electronic whiteboards
- Community Engagement Room includes high resolution video projector, motorized projection screen and other multimedia technology
- Digital signage and wayfinding system with kiosks and/or flat panel displays at key locations
- RFID based Self Service Checkout
- Conference rooms featuring flat panel displays, and electronic whiteboards





## Back Office Technology

- Dedicated rooms on each floor to house equipment racks, network switches, optical fiber terminations, copper cabling and patch panels
- Fully wired building network system using a Cat 6e cabling plant and fiber optics
- The latest 802.11ac wireless network technologies to support public WiFi for smart phones, tablets and laptop computers as well as new consumer devices yet to appear.
- Cloud computing environment to reduce future IT support costs





# Security & Building Technology

- Electronic video surveillance with over 100 cameras
- Fully automated lighting controls throughout the interior and exterior with support for "lighting scenes"
- Computer controlled building environment connected to the City's central plant
- Electronic access control with alarm and burglar protection
- RFID-based collection security